Photo Renamer

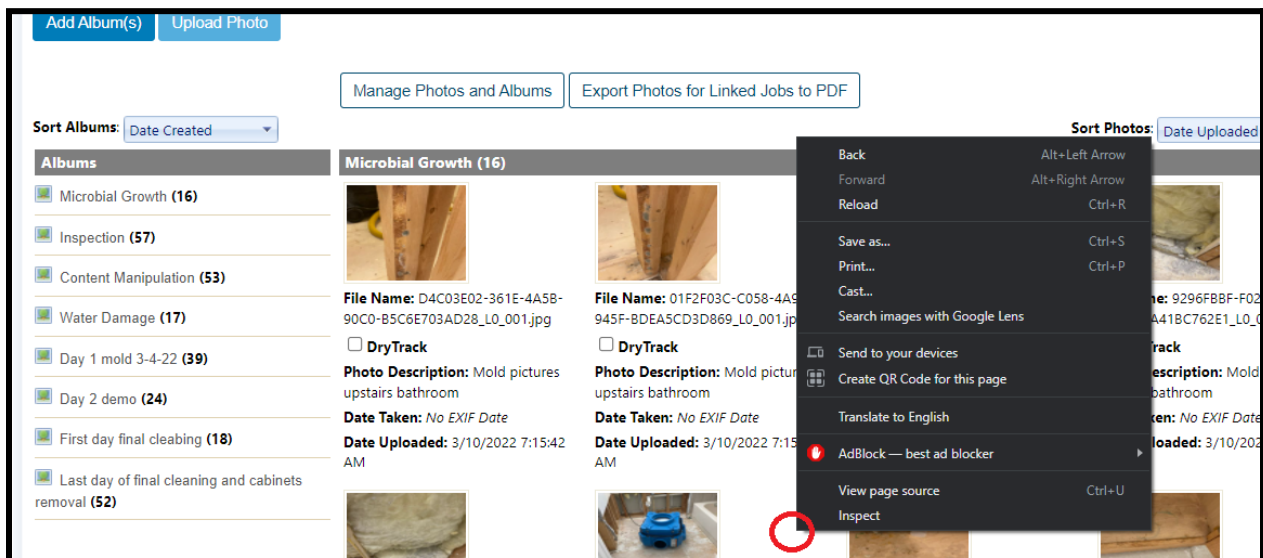*A Program by Nicholas Harrell, for Duraclean*
Last Updated 2022-03-24

This document provides basic instructions on how to use the Photo Renamer program. For a more in-depth description of the program's functions, click on the "About" button inside the program located near the "Execute" button.

Step 1: Download Photos

Open DASH and go to the photo album you want to download. You don't have to click "manage photos and albums"; you just have to be looking at the album you want.

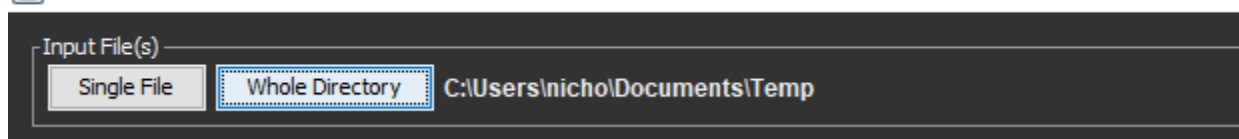Right-click on any empty white space on the page and select "Save As".

Next, make sure the file type is "Webpage, Single File". It does not matter what you name the file. For easiest use, you should save the file in the folder where you want all the photos to be.

Your web browser will download the webpage. The download should take less than a second. Once the download is complete, launch the renamer program if it isn't already running.

Step 2: Run the Renamer

In the Photo Renamer program, you can process a single file (downloaded from Step 1) by clicking "Single File" and navigating the file you downloaded. You can also process multiple files in one execution by clicking "Whole Directory" and selecting a folder. The program will search recursively through the entire selected folder and all of its subfolders for any input files and then load them all. This means you can repeat Step 1 many times before doing Step 2.

Once you select the webpage(s) the program will automatically load all of the photo descriptions for you. If you saved the webpage(s) in the same place where you want all your photos to be, make sure the checkbox for "Use HTML directory for output" is checked. If you want your photos to end up somewhere else, uncheck it and choose the destination directory.

Step 3: Execute

The program is designed for you to have to do as little as possible. You can click "Execute" without doing anything else, if you want to, and the photos will all be automatically downloaded and renamed. The program will (unless you tell it not to) delete the HTML file you downloaded, full of all the things you don't need, and just leave you with the photos you wanted.

Options & the Files Table

You can modify the options to suit your needs. As you change them you will see the photo names change on the right.

Most of the time you won't need to do anything with these, but you can if you want to.

These options and their effects are described in detail below. You don't have to change any options if you don't want to.

Remove Trailing Numbers
Descriptions that end with numbers, including parenthetical numbers, will have those numbers removed. This allows the program to identify photos that should be grouped together. For example:

`Kitchen 5`, `Kitchen (04)`, `Kitchen`

These should all be in the same group because they all refer to the kitchen. Removing the trailing numbers allows the program to recognize this.

When the numbers are removed they are stored in such a way that later the program will recall that `Kitchen 5` wants to be indexed as the 5th photo in the series, `Kitchen (04)` wants to be the 4th, and `Kitchen` has no preference and can be assigned any index.

Append Numbers to Unique Descriptions
Even if there is only one photo called `Kitchen` it will still get a number at the end.

Correct Capitalization
The first letter of each word is capitalized and all other letters are reduced to lower case.

Prefix & Suffix
If you specify a prefix, every photo name will have the prefix before it.
If you specify a suffix, every photo name will have the suffix after it but before the number.

Maximum Filename Length & Over-Length Behavior
There are two absolute restrictions for description lengths that you cannot override. If they are violated by any one photo, the program will refuse to rename any photos.
- The description, including any user-defined prefix and suffix, must be at least 7 characters long.
- The description including any user-defined prefix and suffix and its index, plus the length of the path of the folder into which the photo will be saved, must not exceed the file name length limit set by the operating system. The program keeps track of this limit automatically.

Beyond these, the user is able to specify their own maximum length if they wish. The program will automatically pare down the lengths of descriptions that are too long using the method of the user's choosing:
- <u>Refuse</u> - The program won't do anything about over-length descriptions itself, but also won't rename any photos until the problem is resolved.
- <u>Warn</u> - The program won't do anything about over-length descriptions itself, but will mark any photos whose descriptions are too long. The program will still execute renaming if the user instructs it to.
- <u>Truncate</u> - The program will chop down the three parts of the description until the total length is short enough, in this order: description, suffix, prefix. The program will still execute renaming if the user instructs it to.
- <u>Drop Vowels</u> - The program will strip out all vowels from the description, suffix, and prefix, then truncate as needed. The program will still execute renaming if the user instructs it to.
- <u>Allow</u> - The program will take no action to enforce length restrictions, aside from the two permanent rules previously mentioned.

Invalid Character Replacement

There are several characters that are not allowed in file names because of the operating system:

```
#%&{}\<>&?/$!'\":@+`|=
```

These are automatically removed by the program. You can't disable this, but you can tell the program whether to replace these characters with a hyphen, a comma, or nothing at all.

👁	Front Of House - 01	
👁	Outside Reading - 01	
👁	Rec Room Readings - 01	
👁	Rec Room Readings - 02	
👁	Rec Room Readings - 03	
👁	Rec Room Readings - 04	
👁	Rec Room Readings - 05	
👁	Rec Room Readings - 06	
👁	Rec Room Readings - 07	
👁	Rec Room Readings - 08	
👁	Rec Room Readings - 09	
👁	Rec Room Readings - 10	
👁	Rec Room Readings - 11	
👁	Rec Room Readings - 12	
👁	Rec Room Readings - 13	
👁	Rec Room Readings - 14	
👁	Rec Room Readings - 15	
👁	Rec Room Readings - 16	
👁	Rec Room Readings - 17	
👁	Rec Room Readings - 18	
👁	Rec Room Readings - 19	
👁	Rec Room Readings - 20	
👁	Rec Room Readings - 21	
👁	Utility Room Readings - 01	
👁	Utility Room Readings - 02	
👁	Utility Room Readings - 03	

With the files table on the right you can see all of the descriptions the program came up with. These will change as you change the options.

You can also click on a description to manually change it.

The program won't change a description you've manually edited unless you reset it by clicking on this icon.

You can click on this icon to immediately view a specific picture.

There are several other icons that you might see:

✅ The photo was saved successfully.

❌ There was an error when trying to save the photo.

📝 The photo's description is longer than the maximum length you set, but you can still go ahead with renaming if you want.

📝 The photo's description is too long or too short and you can't proceed with renaming until the problem is fixed.

#️⃣ There is an invalid symbol in the file name.

🔄 There are at least two identical file names.